

AGPRO Organosilicone

1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	AGPRO NZ Limited
SUPPLIER ADDRESS	10 Polaris Place, East Tamaki, Auckland 2013 PO Box 58-963, Botany, Auckland 2163
SUPPLIER DETAILS	09 273 3456 or freephone 0508 536 536 www.agpro.co.nz
EMERGENCY PHONE	
POISON INFORMATION	0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY	0800 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	Polyether modified trisiloxane liquid
CHEMICAL FAMILY	Siloxane
USE	Adjuvant

2. HAZARDS IDENTIFICATION

Hazardous according to the NZ Environmental Protection Authority criteria.

GHS CLASSIFICATIONS	Acute inhalation toxicity Category 4 Skin irritation Category 2 Eye irritant Category 2 Hazardous to the aquatic environment chronic Category 2	
HSNO CLASSIFICATIONS	6.1D, 6.3A, 6.4A, 9.1B	
SIGNAL WORD	WARNING	
PICTOGRAMS		
HAZARD STATEMENTS	H332	Harmful if inhaled.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H411	Toxic to aquatic life with long lasting effects.
PREVENTION STATEMENTS	P102	Keep out of reach of children.
	P103	Read carefully and follow all instructions.
	P261	Avoid breathing mist/vapour/spray.
	P264	Wash face and hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
RESPONSE STATEMENTS	P101	If medical advice is needed, have product container or label on hand.
	P302 + P352	IF ON SKIN: Wash with plenty of water.
	P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P312	Call a POISON CENTRE or doctor/physician if you feel unwell.

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2. HAZARDS IDENTIFICATION

STORAGE STATEMENTS DISPOSAL STATEMENTS	P332 + P313	If skin irritation occurs: Get medical advice/ attention.
	P337 + P313	If eye irritation persists: Get medical advice/ attention.
	P362 + P364	Take off contaminated clothing and wash before re-use.
	P391	Collect spillage
	See Section 7.	
	P501	Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION % w/v
Polyether modified trisiloxane	134180-76-0	80%
Non-hazardous ingredients	Proprietary	20%

4. FIRST AID MEASURES

For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the POISON CENTRE or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Alcohol resistant foam is preferred firefighting medium but if it is not available, standard foam can be used. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compounds.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	3Z

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.

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6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL

Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgitite or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING

Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.

STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 1000 litres or more of AGPRO Organosilicone require secondary containment, signage and an emergency response plan.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Not established.

EYE PROTECTION

Wear eye/face protection.

RESPIRATORY PROTECTION

Respiratory protection is not required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.

VENTILATION

Avoid inhalation. Use in well ventilated area.

HYGIENE PRECAUTIONS

Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

9. APPEARANCE / STATE/ ODOUR:

APPEARANCE / STATE/ COLOUR

Pale yellow liquid.

ODOUR

Polyether.

ODOUR THRESHOLD

Not Available.

pH (1%) solution

6.5 – 8.5

MELTING POINT / FREEZING POINT

Not Available

INITIAL BOILING POINT / BOILING RANGE

Not Available

FLASHPOINT

>93°C

FLAMMABILITY

Non-flammable.

UPPER/LOWER FLAMMABILITY LIMITS

Not Available

VAPOUR PRESSURE

Not Available.

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9. APPEARANCE / STATE/ ODOUR:

VAPOUR DENSITY	Not Available.
RELATIVE DENSITY	1.0 g/ml @ 25°C (typical)
SOLUBILITY	Disperses fully in water
OCTANOL / WATER PARTITION COEFFICIENT	Not Available.
AUTOIGNITION TEMP	Not Applicable.
DECOMPOSITION TEMPERATURE	Not Available.
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal storage conditions in original container for two years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	LD50 (rat) 10,000 mg/kg for polyether modified trisiloxane
DERMAL TOXICITY	LD50 (rat) 4500 mg/kg for polyether modified trisiloxane
INHALATION TOXICITY	Harmful if inhaled. Rat (4hr) >11.78 mg/L for polyether modified trisiloxane
EYE CORROSION / IRRITANCY	Causes serious eye irritation.
SKIN CORROSION / IRRITANCY	Causes skin irritation.
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION HAZARD	No information
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Toxic to the aquatic environmental with long lasting effects.
PRECAUTIONS	This product must not be applied into or onto water. Avoid contamination of any water supply with product or empty container. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

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12. ECOLOGICAL INFORMATION

ECOTOXICITY INFORMATION	LD50 (rainbow trout, 96 hr) 2.1 mg/L for polyether modified trisiloxane
BIOACCUMMULATIVE	No data available.
READILY DEGRADABLE	No.

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.

PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, for small amounts, absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in a sealable, labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Return empty container to an Agrecovery collection point for disposal, or puncture and dispose of at an approved facility. Do NOT burn. Do not use the container for any other purpose.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA



	Land Transport (NZS 5433)	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN Number:	3082	3082	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains polyether modified trisiloxane >50%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains polyether modified trisiloxane >50%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains polyether modified trisiloxane >50%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	-
Marine Pollutant Status	-	Marine Pollutant	-

The Environmentally Hazardous Substance Mark is not required when transported in packages of less than 5kg/L (UN Model Regulations: Special Provision 375; IATA Special Provision A197; IMDG; Special Provision 969)

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15. REGULATORY INFORMATION

ACVM REGISTRATION	Exempt from registration under the ACVM Act 1997.
HAZARDOUS SUBSTANCE GROUP STANDARD	HSR002503 Additives Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020. See the EPA website for approval controls www.epa.govt.nz

16. OTHER INFORMATION

SDS ISSUE DATE	16 June 2022
SDS REVIEW DATE	June 2027
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020) NZ Chemical Classification Information Database NZ EPA hazardous Substances Approvals and Group Standards
ABBREVIATIONS	
ACVM	Agricultural Compounds and Veterinary Medicines
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Authority (New Zealand)
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG/IMO	International Maritime Dangerous Goods / International Maritime Organisation
IATA / ICAO	International Air Transport Association / International Civil Aviation Organisation
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products properties.

End of Safety Data Sheet